CLAIMS

1. In a communication server, a method of responding to an application protocol request from a client application, the method comprising the steps of:

receiving the application protocol request from the client application;

creating at least one dynamic protocol object to form at least a portion of a reply to the application protocol request wherein the reply is disposed to include embedded, static protocol objects;

sending the at least one dynamic protocol object to the client application;

retrieving at least one static protocol object; and

sending the at least one static protocol object to the client application to complete the reply to the application protocol request at the client application.

2. The method of claim 1 wherein the at least one static protocol object is stored in and retrieved from a protocol object cache disposed within an operating system kernel on the communication server.

3. The method of claim 1 wherein the application protocol request and the reply are formatted according to a hypertext transmission protocol (HTTP).

4. The method of claim 2 wherein the application protocol request and the reply are formatted according to a hypertext transmission protocol (HTTP).

5. A computer program product having computer program code embodied therein, the computer program code for enabling a server to respond to an application protocol request from a client application, the computer program code comprising:

instructions for receiving the application protocol request from the client application;

instructions for creating at least one dynamic protocol object to form at least a portion of a reply to the application protocol request wherein the reply is disposed to include embedded, static protocol objects;

instructions for sending the at least one dynamic protocol object to the client application;

instructions for retrieving at least one static protocol object; and

instructions for sending the at least one static protocol object to the client application to complete the reply to the application protocol request at the client application.

6. The computer program product of claim 5 wherein the instructions for retrieving the at least one static protocol object are operable to retrieve the at least one protocol object from a protocol object cache disposed within an operating system kernel on the communication server.

7. The computer program product of claim 5 operable to format the application protocol request and the reply according to a hypertext transmission protocol (HTTP).

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8. The computer program product of claim 6 operable to format the application protocol request and the reply according to a hypertext transmission protocol (HTTP).

9. Apparatus for responding to an application protocol request from a client application, the apparatus comprising:

a cache;

means for receiving the application protocol request from the client application;

means for creating at least one dynamic protocol object to form at least a portion of a reply to the application protocol request wherein the reply is disposed to include embedded, static protocol objects;

means for sending the at least one dynamic protocol object to the client application;

means for retrieving at least one static protocol object from the cache through an operable connection to the cache; and

means for sending the at least one static protocol object to the client application to complete the reply to the application protocol request at the client application.

10. The apparatus of claim 9 wherein the cache is a protocol object cache disposed within an operating system kernel.

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11. An instruction execution system operable as a communication protocol server, operable to respond to an application protocol request from a client application by performing the steps of:

receiving the application protocol request from the client application;

creating at least one dynamic protocol object to form at least a portion of a reply to the application protocol request wherein the reply is disposed to include embedded, static protocol objects;

sending the at least one dynamic protocol object to the client application;

retrieving at least one static protocol object; and

sending the at least one static protocol object to the client application to complete the reply to the application protocol request at the client application.

12. The instruction execution system of claim 11 further operable as a hypertext transmission protocol (HTTP) server.